

**CASS Bibliography Series**

**Class - H**

**No. 7**

**Bibliography**  
**of**  
**Technical Science**

*By*  
**Kashinath Hota**

*General Editor*  
**V. N. Jha**

**Centre of Advanced Study in Sanskrit,  
University of Pune  
1995**





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V. N. Jha  
Kashinath Hota



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## General Editor's Note

In 1964 the University Grants Commission had established this Centre of Advanced Study in Sanskrit (CASS) in this University as a training Centre to promote higher training and research in the field of Veda and Vyākaraṇa. In 1974 facilities for such training and research were made available for two more disciplines namely, Nyāya and Mīmāṃsā. The Centre has completed 29 years of its existence and by now it has trained a good number of scholars in India and abroad. It has also brought out a good number of research publications in the areas of Veda, Vyākaraṇa, Nyāya and allied disciplines. The members of its staff have contributed a good number of research articles in National and International journals. The Centre, through its research activities, has already established academic relations with prominent Institutions of Indology throughout the world.

In its Silver Jubilee Year 1989 the Centre wanted to concentrate on making survey of research already done in various disciplines of Sanskrit and Indology. As the first step towards this direction, it was decided to compile bibliographies of each discipline separately. Accordingly, to start with, the following areas were identified.

1. Śrauta, 2. Vyākaraṇa, 3. Nyāya-Vaiśeṣika, 4. Mīmāṃsā, 5. Sāṃkhya, 6. Yoga, 7. Advaita, 8. Dvaita, 9. Viśiṣṭādvaita, 10. Svābhāvika Bhedābheda 11. Aupādhika Bhedābheda, 12. Acintya Bhedābheda, 13. Alaṅkāra, 14. Sāhitya, 15. Āgama, 16. Tantra, 17. Jainism, 18. Buddhism, 19. Dharmaśāstra, 20. Technical Sciences.

Since there is no financial support from any funding agency, the Centre decided to concentrate on collection of bibliographical materials available in Pune city only. It is well known that Pune is very rich in oriental libraries, and hence, the coverage of Pune libraries will cover more than 70% bibliographical materials on those disciplines.

One will agree that periodical collection and publication of bibliographical materials are absolutely necessary for quality - teaching and research in any field. Therefore, it is necessary that publication of these bibliographies should be an on - going project and a regular activity of our Centre, since this is the only Centre of Advanced Study in Sanskrit in the entire country. The Centre, therefore, will try to make it a regular feature of its research activities. Bibliographical materials will be collected and will be published periodically. The present bibliographies are the first instalment towards that goal. I am fully aware that these bibliographies do not claim to be fully exhaustive. Nevertheless, the materials contained in them have comprehensive coverage, since they are collected from all the prominent libraries in Pune. These bibliographies contain information as found in 1988 in prominent Pune Libraries.

Any progress in research requires assessment of research already done and any assessment requires the collection of research work already done. These bibliographies should be viewed from this point of view. Our aim is, as stated



above, to come out with detailed critical survey of research done in a particular field. One must start somewhere and this is where we start. Better late than never. I am confident that these bibliographies will prove to be an indispensable companion of each and every student, scholar and teacher of Indology. Not only that, persons from general public interested in particular field of Indology may also derive help from these bibliographies.

These Bibliographies will be brought out under the series named - *CASS Bibliography Series* as and when they are ready. The Bibliography of Technical Science forms No. 7 in this series.

I shall welcome all constructive suggestions for improving the usefulness of these bibliographies.

V. N. Jha,  
Director,  
CASS., University of Poona  
and  
General Editor,  
CASS Bibliography Series.



## The Format of the Bibliography

Broadly these Bibliographies are presented in two parts. Part I is the main body of the bibliography and Part II contains Indices.

In the body of a bibliography the materials are presented as per the proper names arranged alphabetically and numbered serially from one onwards. These names may be of the editor of a Sanskrit text or of the translator of the text or of a modern writer of a book or of an author of a research article or of an author of review. However, if there is no information about the editor or translator available of an original Sanskrit text, the information regarding that text is enlisted under the name of the original author of that text. However, in case if information regarding one or two points is missing even then the entries are arranged as per the general norms of the listing of the entries with question marks at missing points.

Part II consists of the following Indices :-

- 1) Author Index
- 2) Title Index
- 3) Topic Index

Under the title index will come titles of Sanskrit texts, names of commentaries and the names of modern books. Under topic index are included topic-wise listing of articles. While listing a research article the topic of the article is focused and the arrangement is made alphabetically as per these topics. If in an article there are more than one topic which need focussing, then more than one entry will occur in the index. In the author index the names of authors of original Sanskrit texts and Sanskrit commentaries are included. However, the editor of a modern book is enlisted under the author index and the name of the author occurs in the main body. Similarly, the name of the author of a book reviewed occurs in the author index if the same is not included in the main body. Since the bibliography for each discipline is prepared separately this author index will give an idea of the original Sanskrit text of that particular discipline and this is the reason why author index is added separately. Obviously, modern authors are not included here because they have already been included in the main body of the bibliography.

The references in all these indices are made to the serial numbers of the body of the bibliography. While giving references to the entries under title index the serial number is indicated and this serial number will be followed at times by the letters C, E, T and R. These letters represent respectively whether the entry contains Sanskrit commentary (C) or edition of the Sanskrit text (E) or translation of the Sanskrit text (T) or review of the book (R) e.g. if the reference occurs as 100 C it means that the entry number 100 in the body of the bibliography has a Sanskrit text with a Sanskrit commentary. Similarly, if the entry occurs as 150 E it means that the entry No. 150 contains a Sanskrit text edited by somebody. Likewise, if the entry occurs as 200 T it means the entry number 200 contains the translation of a Sanskrit text and, if the entry occurs as 250 R it means the entry number



250 is the review of either Sanskrit text or of a modern book. Reference to Reviews has been made by referring to the serial number of the book reviewed.

However, if the book reviewed is not included in the Main Body, the full reference of that book is stated in the review-entry.

V. N. Jha

J. N. Hota



## ABBREVIATIONS

<b>AA</b>	Artibus Asiae, Leipsig.	<b>Ay D</b>	Āyurvedadūta.
<b>ABORI</b>	Annals of the Bhandarkar Oriental Research Institute, Pune.	<b>B</b>	Bengali.
<b>AF</b>	Altorientalische Forschungen.	<b>BANC</b>	Bulletin de la Academia Nacional de Ciencias, Tome 48, Primer Congreso Argentino de la Ciencia, Primer Parte.
<b>Afg</b>	Afghanistan, Historical and Cultural Quarterly, Kabul.	<b>BDCRI</b>	Bulletin of the Deccan College Research Institute, Poona.
<b>AIHS</b>	Archives Internationales d'Histoire des Sciences.	<b>BDHM</b>	Bulletin of the Department of History of Medicine, Hyderabad.
<b>AIRIS</b>	Anantacharya Indological Research Institute Series.	<b>BEFEO</b>	Bulletin de l'Ecole Française d'Extrême - Orient, Paris.
<b>AJOS</b>	Aligarh Journal of Oriental Studies, Aligarh.	<b>Be M</b>	Berliner Medizin.
<b>AM</b>	Asia Major, Lipzial (London).	<b>Bh</b>	Bharati, Banaras Hindu University, Varanasi.
<b>A Mag</b>	The Astrological Magazin, Bangalore.	<b>BHM</b>	Bulletin of the History of Medicine, Baltimore, Md.
<b>AMM</b>	American Mathematical Monthly.	<b>BIHM</b>	Bulletin of the Institute of History of Medicine (Hyderabad).
<b>Ane</b>	Anekant, Delhi.	<b>BIHM</b>	Bulletin of the Indian Institute of History of Medicine, Hyderabad.
<b>AO</b>	Acta Orietalia, Copenhagen.	<b>BITCM</b>	Bulletin of the Institute of Traditional Culture, Madras University, Madras.
<b>AOH</b>	Acta Orientalia, Academiae Scientiarum Hungaricae, Budapest.	<b>BJ</b>	Bhavan's Journal, Bharatiya Vidya Bhavan, Bombay.
<b>AP</b>	The Aryan Path, Bombay.	<b>BM</b>	Bharata Manisha, Varanasi.
<b>APL</b>	Anusandhan Patrika, Ladnu (Rajasthan).	<b>BMGM</b>	Bulletin of the Madras Government Museum.
<b>AR</b>	Asiatic Researches.	<b>BN</b>	Bulletin on Narcotics, Geneva.
<b>Ar O</b>	Archiv Orientalni : Quarterly Journal of African, Asian and Latin American Studies, Prague, Zechaslovakia.	<b>BNISI</b>	Bulletin of the National Institute of Science of India, Madras.
<b>ASB</b>	Asiatic Society of Bengal, Calcutta.	<b>BORI</b>	Bhandarkar Oriental Research Institute, Pune.
<b>ASDS</b>	Archivio di Storia della Scienza.		
<b>ASVOI</b>	Annals of Sri Venkateswar Oriental Institute, Tirupati.		



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|-----------------|--|-----------------|--|
| <b>BRMIC</b>    | Bulletin of the Ramakrishna Mission Institute of Culture, Calcutta.              | <b>ES</b>       | Eastern Science : An outline of its scope and contribution, Wisdom of the East Series. |
| <b>Br V</b>     | Brahmavidyā : Adyar Library Bulletin, Adyar (Madras).                            | <b>EW</b>       | East and West, Ismeo.  |
| <b>BRVRI</b>    | Bulletin of Sri Rama Varma Research Institute.                                   | <b>FEW</b>      | Festschrift Ernst Windische, Leipzig.  |
| <b>BS</b>       | Bhāratīya Saṁskṛti.  | <b>Folklore</b> | Calcutta.  |
| <b>BSFHM</b>    | Bulletin de la Socete fransaise de Histoire de la Medicine, Paris.               | <b>FRVR</b>     | Festgruss on Rudolf Vou Roth, Stuttgart.   |
| <b>BSKO</b>     | Beiträge zur Sprach-und Kulturgeschichte des Orients, Heft 4, Walldorf - Hessen. | <b>Ga</b>       | Ganita.  |
| <b>BSOAS</b>    | Bulletin of the School of Oriental and African Studies, London.                  | <b>GJ</b>       | Geologie Jg.   |
| <b>BSSS</b>     | Bhāratīya Śodha Sāra Saṁgrha, Jaipur.  | <b>GM</b>       | Grenzgebiete der Medizin, Munchen, Berlin.   |
| <b>BV</b>       | Bhāratīya Vidyā, Bombay.   | <b>GR</b>       | Geographical Review, New York.   |
| <b>CASS St</b>  | CASS Studies, Centre of Advanced Study in Sanskrit, University of Poona.         | <b>GW</b>       | Ground Water.  |
| <b>CF</b>       | Cultural Forum, New Delhi.   | <b>H</b>        | Hindi.   |
| <b>CHI</b>      | The Cultural Heritage of India, Calcutta.  | <b>HCIP</b>     | History and Culture of the Indian People, Bharatiya Vidya Bhawan.                      |
| <b>Chy</b>      | Chyamia, Philad.   | <b>HCSA</b>     | Historical and Critical Studies on Atharvaveda, Delhi.                                 |
| <b>CMJ</b>      | Calcutta Medical Journal.  | <b>Hin</b>      | Hindutva, New Delhi.   |
| <b>Comm Vol</b> | Commemoration Volume.  | <b>HIP</b>      | A History of Indian Philosophy, Vol. 2, Chapter 13, Cambridge University Press.        |
| <b>CT</b>       | Ceylon Today.  | <b>HR</b>       | History of Religions, University of Chicago.   |
| <b>DI</b>       | Darshana International, Moradabad.   | <b>HTI</b>      | A History of Technology and Invention, Vol. 1, Part 3, Chapter 2.                      |
| <b>DS</b>       | Dayānanda Sandeśa, Delhi.  | <b>IA</b>       | Indian Antiquary, Bombay.  |
| <b>Ed</b>       | Editor.  | <b>IAC</b>      | Indo-Asian Culture, New Delhi.   |
| <b>Edn</b>      | Edition.   | <b>IC</b>       | Indian Culture, Calcutta.  |
|                 |  | <b>ICO</b>      | International Congress of Orientalists.  |



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|------------------|---|------------------|--|
| <b>IHQ</b>       | Indian Historical Quarterly, Calcutta.  |                  | Bengal.  |
| <b>IHR</b>       | Indian Historical Review, Indian Council for Historical Research, New Delhi.          | <b>JAS (Bom)</b> | Journal of the Asiatic Society, Bombay.                                |
| <b>IJH</b>       | Indian Journal of Horticulture.   | <b>JASI</b>      | Journal of Aeronautical Society of India.                              |
| <b>IJHM</b>      | Indian Journal of History of Medicine, Hyderabad.                                     | <b>JAU</b>       | Journal of Annamalai University, Annamalai Nagar.                      |
| <b>IJHS</b>      | Indian Journal of History of Science, New Delhi.                                      | <b>JBBRAS</b>    | Journal of the Bombay Branch of the Royal Asiatic Society, Bombay.     |
| <b>IJMS</b>      | Indian Journal of Medical Science.  | <b>JBIT</b>      | Journal of Birla Institute of Technology.                              |
| <b>IJP</b>       | Indian Journal of Psychiatry, New Delhi.  | <b>JBORS</b>     | Journal of Bihar and Orissa Research Society, Patna.                   |
| <b>I Lin</b>     | Indian Linguistics, Poona.  | <b>JBRS</b>      | Journal of Bihar Research Society, Patna.                              |
| <b>Ind</b>       | Indica, Bombay.   | <b>JCE</b>       | Journal of Chemical Education, Raston.                                 |
| <b>IS</b>        | Indian Studies : Past and Present, Calcutta.  | <b>JDL</b>       | Journal of the Department of Letters, University of Calcutta.          |
| <b>Isl C</b>     | Islamic Culture, Hyderabad.   | <b>JEA</b>       | Journal of Egyptian Archeology.  |
| <b>I Std</b>     | Indological Studies : Journal of Department of Sanskrit, Delhi University, New Delhi. | <b>JESHO</b>     | Journal of the Economic and Social History of the Orient, Leiden.      |
| <b>IT</b>        | Indological Tourinensia, Torino, Italy.   | <b>JGJKSV</b>    | Journal of the Ganganath Jha Kendriya Sanskrit Vidyapeetha, Allahabad. |
| <b>JA</b>        | Journal Asiatique, Paris.   | <b>JGJRI</b>     | Journal of the Ganganath Jha Research Institute, Allahabad.            |
| <b>JAHR</b>      | Journal of the Andhra Historical Research Society, Rajahmundry.                       | <b>JHA</b>       | Journal of the History of Astronomy.                                   |
| <b>JAIIH</b>     | Journal of Ancient Indian History, Calcutta University.                               | <b>JHE</b>       | Journal of Human Evolution.  |
| <b>JAJSB</b>     | Jaina Antiquary : Jaina Siddhānta Bhāskara, Arrah.                                    | <b>JIE</b>       | Journal of the Institution of Engineers.                               |
| <b>JAOS</b>      | Journal of the American Oriental Society, New Haven.                                  | <b>JIH</b>       | Journal of Indian History, Trivandrum.                                 |
| <b>JAS</b>       | Journal of Anthropological Society of Bombay.   |                  |  |
| <b>JAS (Ben)</b> | Journal of the Asiatic Society,   |                  |  |



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|--------------------|--|--------------|--|
| <b>JISOA</b>       | Journal of the Indian Society of Oriental Art.                               |              | Oriental Institute, Tirupati.                                  |
| <b>JMSUB</b>       | Journal of Maharaja Sayajirao University of Baroda, Baroda.                  | <b>JWH</b>   | Journal of World History, Paris.                               |
| <b>JMU</b>         | Journal of the Mysore University, Mysore.                                    | <b>JYI</b>   | Journal of the Yoga Institute, Bombay.                         |
| <b>JNES</b>        | Journal of Near Eastern Studies.   | <b>KP</b>    | Kinderärztliche Praxis, Leipzig.                               |
| <b>JNSI</b>        | Journal of the Numismatic Society of India, Varanasi.                        | <b>Marg</b>  | Bombay.  |
| <b>JOIB</b>        | Journal of the Oriental Institute, Baroda.                                   | <b>Med</b>   | Mediscope.   |
| <b>JORM</b>        | Journal of Oriental Research, Madras.  | <b>MER</b>   | The Mathematics Education and Research, Sewan, Bihar.          |
| <b>JOS</b>         | Journal of Oriental Studies, Swadhyaya Mandal.                               | <b>MIOF</b>  | Mitteilungen des Instituts für Orient-forschung, Berlin.       |
| <b>JP</b>          | Jñānāpīṭha Patrikā.  | <b>MO</b>    | The Mysore Orientalist, Oriental Institute, Mysore.            |
| <b>JRAI</b>        | Journal of Royal Anthropological Institute, London.                          | <b>MR</b>    | Modern Review, Calcutta.                                       |
| <b>JRAS</b>        | Journal of the Royal Asiatic Society of Great Britain & Ireland, London.     | <b>MS</b>    | The Mathematic Students.                                       |
| <b>JRAS (Bom)</b>  | Journal of Royal Asiatic Society, Bombay.                                    | <b>MT</b>    | Mathematic's Teaching, Lancashire.                             |
| <b>JTD</b>         | Jyotisha Tattvadarshana, Poona.  | <b>Nag</b>   | Nāgārjuna.   |
| <b>JTMSSML</b>     | Journal of the Tanjore Maharaja Serfogi's Saraswati Mahal Library, Madras.   | <b>Nat</b>   | Nature, London.  |
| <b>JTS</b>         | Journal of Tamil Studies, Madras.  | <b>NGJI</b>  | National Geographical Journal of India, Varanasi.              |
| <b>JUG</b>         | Journal of the University of Gauhati, Assam.                                 | <b>NIA</b>   | New Indian Antiquary, Bombay.                                  |
| <b>JUP</b>         | Journal of the University of Poona, Pune.                                    | <b>NPP</b>   | Nagara Pracāriṇī Patrikā, Varanasi.                            |
| <b>JUP His Soc</b> | Journal of the United Provinces (Uttar Pradesh) Historical Society, Lucknow. | <b>OH</b>    | Our Heritage, Sanskrit College, Calcutta.                      |
| <b>JVOI</b>        | Journal of Sri Venkateswar   | <b>OHRJ</b>  | Orissa Historical Research Journal, Bhubaneswar.               |
|                    |  | <b>OL</b>    | Orientalistische Literaturzeitung, Berlin.                     |
|                    |  | <b>PAIOC</b> | Proceedings of the All-India Oriental Conference, BORI, Poona. |



<b>PCEW</b>	Philosophy and Culture : East and West, University of Hawaii Press.	<b>RP</b>	Revue Philosophique.
<b>PICO</b>	Proceedings of the International Congress of Orientalists.	<b>RSU</b>	Rajasthan University Studies.
<b>PIHC</b>	Proceedings of the Indian History Congress, Delhi.	<b>Rt</b>	Rtam : Journal of Akhila Bharatiya Sanskrit Parishad, Lucknow.
<b>PKVRJ</b>	Panjabrao Krishi Vidyapeetha Research Journal.	<b>Sag</b>	Sāgarikā, Saugar.
<b>PO</b>	Poona Orientalist, Poona.	<b>SAGMNS</b>	Sudhoffs Archiv für Geschichte der Medizin und Naturwissenschaften, Steiner, Weisbaden.
<b>PP</b>	Prācya Pratibha, Bhopal.	<b>Sai Sid</b>	Sai Siddhanta.
<b>Pra</b>	Prajñā, Banaras Hindu University, Varanasi.	<b>Sal Sma</b>	Śālākya Smārikā, Varanasi.
<b>PTAIOC</b>	Proceedings and Transaction of the All-India Oriental Conference, BORI, Poona.	<b>Sambodhi</b>	L. D. Institute of Indology, Ahmedabad.
<b>PUF</b>	Presses University de France, Paris.	<b>Samvid</b>	Bharatiya Vidya Bhavan, Bombay.
<b>PUJ</b>	Patna University Journal, Patna.	<b>Sar</b>	Sarasvatī, Allahabad.
<b>Pur</b>	Purāṇa, Varanasi.	<b>SB</b>	Surabhārati.
<b>PWSBS</b>	Princess of Wales Saraswati Bhawan Studies.	<b>SC</b>	Science and Culture, Calcutta.
<b>PWSC</b>	Proceedings of the 4th World Sanskrit Conference. 1979.	<b>SCHI</b>	Studies in the Cultural History of India, edited by Metraux, Guy S. and Crouzet, Francois, Agra : Shivalal Agarwala & co. (P.) Ltd.
<b>QJCDR</b>	Quarterly Journal of Crude Drug Research, Amsterdam.	<b>Scientia</b>	Millan.
<b>QJM</b>	Quarterly Journal of the Mythic Society, Bangalore.	<b>SHM</b>	Studies in History of Medicine.
<b>RCIA</b>	Radio Carbon and Indian Archaeology, edited by D. P. Agarwal and A. Ghosha, Bombay : Tata Institute of Fundamental Research.	<b>SIC</b>	Studies in Indian Culture, Bangalore.
<b>RHR</b>	Revue de l' Histoire des Religions, Paris.	<b>SIS</b>	Sanskrit and Indological Studies, Delhi.
<b>ROW</b>	Rocznik Orientalistyczny, Warszawa.	<b>SPP</b>	Śāradāpīṭha Pradīpa, Dwaraka.
		<b>SS</b>	Saṁskṛta Suṣamā.
		<b>SSM</b>	Sunday Standard Magazine, New Delhi.
		<b>SV</b>	Saṁskṛta Vimarśaḥ, Rastriya Sanskrit Samsthan, New Delhi.
		<b>SVUOJ</b>	Sri Venkateshwar University

- Oriental Journal, Tirupati.**
- TASSI** Transactions of the Archeological Society of South India.
- TH** Thaqaatul Hind, New Delhi.
- TLS** Technical Literature in Sanskrit, edited by Iyre, S.  
Venkitasubramonia, Kerala University Sanskrit Department  
Publication No. 10.
- Tr** Translator.
- Trip** Tripathagā, Lucknow.
- Triv** Trivenī, Machilipatnam.
- Vai** Vaijñānika.
- Vāk** Deccan College Post-Graduate & Research Institute, Poona.
- Ved Sa** Veda Savita, Veda-Samsthana, Ajmer.
- Ved Sam** Vedasamīkṣā : Proceedings of the Seminar on Vedas, Sri Venkateswar University, Tirupati.
- Ve J** Veda Jyoti, Lucknow.
- Ve Va** Vedavānī, Bahalgarh (Sonipat-Haryana).
- VIJ** Vishveshvaranand Indological Journal, Vishveshvaranand Vedic Research Institute, Hoshiarpur.
- VJ** Viśva Jyoti, Hoshiarpur.
- VK** Vijñānakarmel.
- VP** The Vedic Path, Gurukula Kangri University, Haridwar.
- VS** Viśva Saṁskṛtam, Hoshiarpur.
- WA** World Archeology, Henley on Thames.
- YB** Yuba Bhāratī, Madras.

ZDMG

Zeitschrift der Deutschen  
Morgentandischen Gesellschaft,  
Wiesbaden.

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## **Part I**

### **Main Body**

Part I

Main Body



## MAIN BODY

- 1 Abhyankar, K. V. : (1976) "References to *nakṣatras* in the *R̥gveda* and the conclusions therefrom about the date of the *R̥gveda*," *ABORI*, 57.I-IV:141-47.
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Part II

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Zur aufnahme der Altmedizin in die grossen  
sammelwerke der indischen Aerteschulen  
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